

# Quarterly Report

## **CENTER FOR ACUTE DISEASE EPIDEMIOLOGY** **Second Quarter, 2018**



Iowa Department of public Health

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## INTRODUCTION

The Center for Acute Disease Epidemiology (CADE) uses the most recent Council of State and Territorial Epidemiologists (CSTE) / Centers for Disease Control and Prevention (CDC) case definitions found on the [National Notifiable Disease Surveillance System \(NNDSS\)](#) page. These definitions are used to classify the case as confirmed, probable, suspect, not a case, or awaiting more information. **Only confirmed and probable cases meeting the CSTE/CDC case definitions are included in official case counts.**

CADE began using the suspect case definition as a final classification on Jan 1, 2017. Suspect cases are not included in the official case count but only meant to better estimate burden of disease. Any counts in this report from dates prior to Jan 1, 2017 do not include suspect cases.

Disease case counts were compiled from the Iowa Disease Surveillance System (IDSS). Data are provisional and subject to monthly reporting variation.

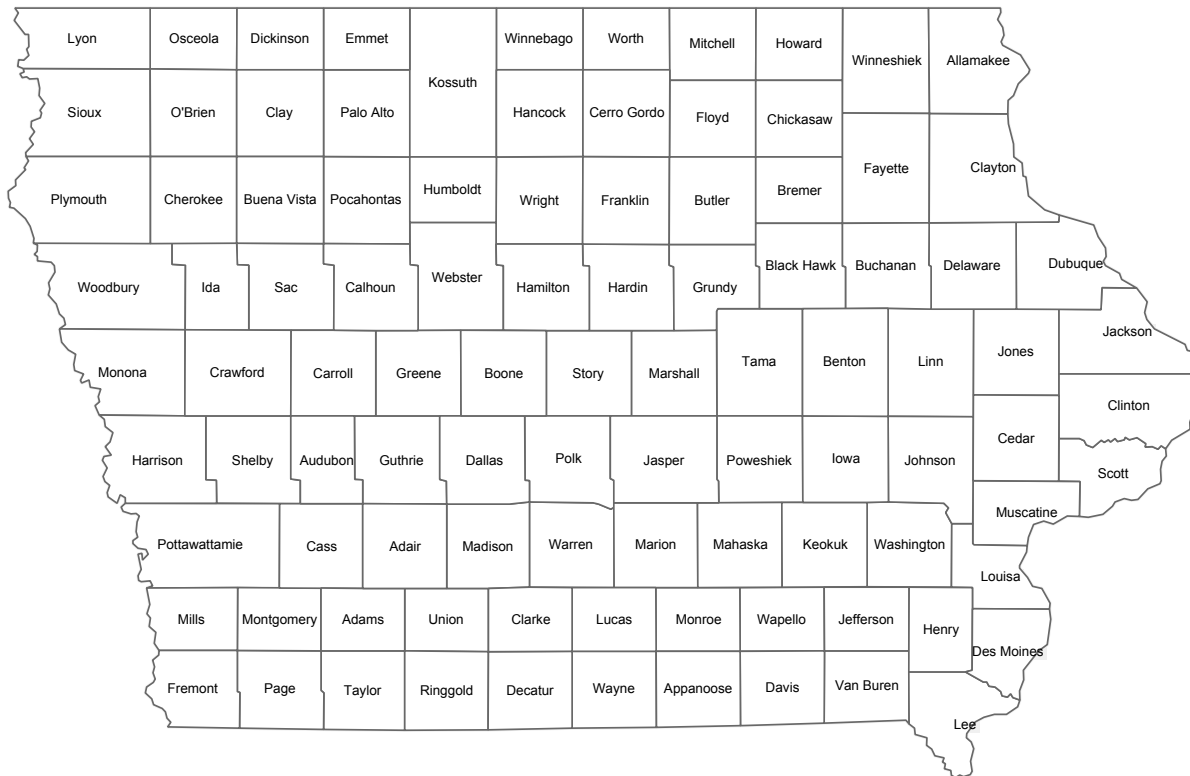
Hospitalization data is collected from the IDSS database. In some instances, cases may have been hospitalized for reasons other than the disease indicated.

Forecasting was done using Tableau forecast models.

Rates were calculated using the April 1, 2010 estimated census population for the State of Iowa.

# Iowa County Boundaries and Population

2010 Census Data



April 1, 2010 population estimates

Adair	7,682	Floyd	16,303	Monona	9,243
Adams	4,029	Franklin	10,680	Monroe	7,970
Allamakee	14,330	Fremont	7,441	Montgomery	10,740
Appanoose	12,887	Greene	9,336	Muscatine	42,745
Audubon	6,119	Grundy	12,453	O'Brien	14,398
Benton	26,076	Guthrie	10,954	Osceola	6,462
Black Hawk	131,090	Hamilton	15,673	Page	15,932
Boone	26,306	Hancock	11,341	Palo Alto	9,421
Bremer	24,276	Hardin	17,534	Plymouth	24,986
Buchanan	20,958	Harrison	14,928	Pocahontas	7,310
Buena Vista	20,260	Henry	20,145	Polk	430,640
Butler	14,867	Howard	9,566	Pottawattamie	93,158
Calhoun	9,670	Humboldt	9,814	Poweshiek	18,914
Carroll	20,816	Ida	7,089	Ringgold	5,131
Cass	13,956	Iowa	16,355	Sac	10,350
Cedar	18,499	Jackson	19,848	Scott	165,224
Cerro Gordo	44,151	Jasper	36,842	Shelby	12,167
Cherokee	12,072	Jefferson	16,843	Sioux	33,704
Chickasaw	12,439	Johnson	130,882	Story	89,542
Clarke	9,286	Jones	20,638	Tama	17,767
Clay	16,667	Keokuk	10,511	Taylor	6,317
Clayton	18,129	Kossuth	15,543	Union	12,534
Clinton	49,116	Lee	35,862	Van Buren	7,570
Crawford	17,096	Linn	211,226	Wapello	35,625
Dallas	66,135	Louisa	11,387	Warren	46,225
Davis	8,753	Lucas	8,898	Washington	21,704
Decatur	8,457	Lyon	11,581	Wayne	6,403
Delaware	17,764	Madison	15,679	Webster	38,013
Des Moines	40,325	Mahaska	22,381	Winnebago	10,866
Dickinson	16,667	Marion	33,309	Winneshiek	21,056
Dubuque	93,653	Marshall	40,648	Woodbury	102,172
Emmet	10,302	Mills	15,059	Worth	7,598
Fayette	20,880	Mitchell	10,772	Wright	13,229

# Case Counts for 2nd Qtr 2018

## Counties A-H

### Confirmed, Probable, and Suspect Cases

	Anaplasmosis/Ehrlichiosis	Campylobacteriosis	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Giardiasis	Hemolytic uremic syndrome	Hepatitis B (acute and chronic)	Legionellosis	Lyme	Malaria	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	West Nile virus	Grand Total
Adair		4		3		2											2			11
Allamakee		13		4	1	2					5						4			29
Appanoose		3		1		1					1				1		3			10
Audubon							1										1			2
Benton		1		2	4	4	1											1		13
Black Hawk		2		1	5	2	1		2	1	2	1					10	2		29
Boone		5		6	1	1	1				1						2			17
Bremer		1			2						1			1	1		4	1		11
Buchanan				5	5	3	1				2						1			17
Buena Vista		2	1	2		1	1		1								4	1		13
Butler		1			1												2			4
Calhoun		4			1	5	2		1				1				3			17
Carroll		4		4		2											2			12
Cass		1																		1
Cedar		1				2					1									4
Cerro Gordo		4		1	3	1			1					15			2			27
Cherokee						1	1													2
Chickasaw		1									1						2			4
Clarke	1	5		5		2								1			1	1		16
Clay		3		1			2										3			9
Clayton		6		2	1	3					4			2			2			20
Clinton		5		5	3				1	1							2			17
Crawford		4		1		1			2			2					1	1		12
Dallas	1	10		3	7	4			1		1						5			32
Davis		1															2			3
Decatur							1				1									2
Delaware		14		8		3	3										3			31
Des Moines		4		2		1	1			2							6	1		17
Dickinson		1		1							1									3
Dubuque	1	16		9		10	2	1	1	1	14	1		1			4	4		65
Emmet	1						1									1	1			4
Fayette		5		2	2	3					1			16			3		1	33
Floyd		3			4	1	1													9
Franklin		3																		3
Fremont		1		1		1														3
Greene		3				1											1			5
Grundy		2															1			3
Guthrie		2		1																3
Hamilton		2		2					1		1						1			7
Hancock		2																		2
Hardin		2			1	1														4
Harrison																	2			2
Henry				1							1						1			3
Howard		6				1											1			8
Humboldt		5			1	2							1				1			10

# Case Counts for 2nd Qtr 2018

## Counties I-W

### Confirmed, Probable, and Suspect Cases

	Anaplasmosis/Ehrlichiosis	Campylobacteriosis	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Ehrlichiosis ewingii	Giardiasis	Hemolytic uremic syndrome	Hepatitis A	Hepatitis B (acute and chronic)	Hepatitis D	Legionellosis	Listeria	Lyme	Malaria	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	West Nile virus	Grand Total
Ida		5		1																				6
Iowa		3		1		2									1						1	1		9
Jackson		8		3		3					1				2						4			21
Jasper		4		5	2	3		4							1						2			21
Jefferson		1						2			1				2						1			7
Johnson	1	18		4	6	10	1	5			4		1	1	29	2					6			88
Jones		1		10		1		1							1				1		1			16
Keokuk		3		1		1							1		1				1		1			9
Kossuth		3			1																1			5
Lee		1	2	1											1						1			6
Linn		23		7	14	12		2		1	3	1	1		29	1	1	2		1	27	1		126
Louisa		1																			2			3
Lucas		3		5				1													1			10
Lyon		4		5		2															1			12
Madison		2		1		7		3																13
Mahaska						2		1													1			4
Marion	1	5		1	4										2						4			17
Marshall			1			2		1			1		1								3			9
Mills		3																		2	1			6
Mitchell		4		1	3	2		1													3			14
Monona		1		1	1						1													4
Monroe	2														1						1			4
Montgomery				1				1													1			3
Muscatine	1	3									1				3	1					5	1		15
O'Brien		5		3																2	3			13
Osceola		6		3		3																1		13
Page		1																			1			2
Palo Alto		1		1																				2
Plymouth		3		4	3	3		1													2			16
Pocahontas		5			1	1															2			9
Polk		65	1	15	24	8		7			25	1	4		4	2	1	3		2	33	4		199
Pottawattamie		7		2		1		1			1										7			19
Poweshiek		2				1		2							1						1			7
Ringgold		3		2		2		1																8
Sac		2		7		3															1			13
Scott		8		3	1	9		3	1		3				2			2			9			41
Shelby		1		1																	4			6
Sioux		14		9		9												1			3			36
Story		6		3	22	4					4					1					5	2		47
Tama		8		1		2									2						4			17
Taylor			1			1															1			3
Union		4				1															1			6
Van Buren	1	1				1																		3
Wapello	1	6		1		1									1									10
Warren		6		3		4		2			1				2						8			26
Washington		2		1							1				1						1			6
Wayne						1		2													2			5
Webster		14		3		8									3						6			34
Winnebago						3															1			4
Winneshiek		6		1	2	1		1							5						1			17
Woodbury		12		8	4	4		1			6					1					10			46
Worth		1				1																		2
Wright		11				1	2														3			17
Grand Total	11	448	6	192	132	181	1	63	2	1	64	2	13	1	132	12	4	44	4	8	260	22	1	1,604

# YTD Case Counts

## (Counties A-J)

### Confirmed, Probable, and Suspect Cases

	Anaplasmosis/ Ehrlichiosis	Campylobacteriosis	Chikungunya	CRE	Cryptosporidiosis	Cyclosporiasis	Dengue	E. coli (STEC)	Giardiasis	Haemophilus influenzae type b	Hemolytic uremic syndrome	Hepatitis A	Hepatitis D	Legionellosis	Listeria	Lyme	Malaria	Meningococcal invasive disease	Mumps	Pertussis	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Tetanus	West Nile virus	Grand Total
Adair		4			3			2														2				11
Adams		1																								1
Allamakee		14			5	1		2	1							6						9				38
Appanoose		4			2			2								1						5				14
Audubon		1							2													2				5
Benton		3			2	4		6	2					1						1		9	1			29
Black Hawk		5			1	5		4	1					1		2	1		3	1		18	4			46
Boone		7			6	1		3	1							1						7				26
Bremer		1				2										1				1		7	1			13
Buchanan		3			5	5		3	1							2			1			2				22
Buena Vista		6		2	2			1	2													7	2			22
Butler		1				1																6				8
Calhoun		7				1		5	2										1			4				20
Carroll		4			6			2														4				16
Cass		1			3											1						4				6
Cedar		2						2	1							1					1	2				8
Cerro Gordo		10		1	1	3		1												20		13				49
Cherokee	1	1			1			1	1													1				6
Chickasaw		1														1						3				5
Clarke	1	10			5			3												1		1	1			22
Clay		3			1				2													5				11
Clayton		8			4	1		5	1							4				5		4				32
Clinton		5			5	3								2					1	1		8				25
Crawford		5			4			1				1					2					1	1			15
Dallas	1	16			6	7		7	2							2			1			15	3			60
Davis		1																				2				3
Decatur									1							1										2
Delaware		16			10			3	3													8				40
Des Moines		7			8			2	1					2								12	1			33
Dickinson		2			2											1						1				6
Dubuque	1	24			11			11	5		1			2		19	1		1	3		16	4			99
Emmet	1								1												1	3				6
Fayette		5			2	2		3								1				17		4			1	35
Floyd		3				4		1	1													2				11
Franklin		5																				4				9
Fremont		1			1			1																		3
Greene		6						1														5				12
Grundy		2																				2				4
Guthrie		5			2																	1	1			9
Hamilton		3			2											1				1		2				9
Hancock		2							1													1				4
Hardin		3				1		1														1				6
Harrison		1																				2				3
Henry					2											1						3				6
Howard		8						1														4				13
Humboldt		9				1		3											1			1				15
Ida		5			1																	1				7
Iowa		3			3			3								1						2	1			13
Jackson		9			4			3	2							2			2			9				31
Jasper		8			5	2		3	5							1						10				34
Jefferson		3							2							2	1			3		2				13
Johnson	1	22			6	6		19	10					1	2	31	2		1	2		18				121
Jones		7			16			1	2							1						6				33

# YTD Case Counts

## (Counties K-W)

### Confirmed, Probable, and Suspect Cases

	Anaplasmosis/ Ehrlichiosis	Campylobacteriosis	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Ehrlichiosis ewingii	Giardiasis	Hansen	Hemolytic uremic syndrome	Hepatitis A	Hepatitis B (acute .)	Hepatitis D	Legionellosis	Listeria	Lyme	Malaria	Meningococcal inv.	Mumps	Pertussis	Q Fever (acute an.)	Rocky Mountain spotted fever	Rubella	Salmonellosis	Shigellosis	Typhoid Fever	West Nile virus	Zika virus	Total
Davis		1																						2					3
Decatur							1									1													2
Fremont		1		1		1																							3
Keokuk		3		1		1								1		1					1			1					9
Kossuth		4				1																		4					9
Lee		1	3	1										1		1						1		5					13
Linn		38		11	15	14		3			1	9	1	2	1	29	1		2	6		2		86	2				223
Louisa		1																			1		3				1	6	
Lucas		6		5				1															3					15	
Lyon		8		6		2						1											3					20	
Madison		2		2		8		3															8					23	
Mahaska		2				4		1															6					13	
Marion	1	9		2	4			1								2		1					6					26	
Marshall		1	1	1		3		2				3		1		1							9					22	
Mills		5		1				2														2	1					11	
Mitchell		4		5	3	4		1															4					21	
Monona		1		1	1							1																4	
Monroe	2			1		1		1								1							1					7	
Montgomery		1		1				1															5					8	
Muscatine	1	8										2		2		3	1		1				10	1				29	
O'Brien		7		3																1		2	5					18	
Osceola		8		3		3																			1			15	
Page		1																					2					3	
Palo Alto		2		1				1							1													5	
Plymouth		4		10	3	3		1																8				29	
Pocahontas		7			1	1						1											3					13	
Polk		151	1	28	26	29		19			1	38	1	4		6	4		4	5		2		96	10			425	
Pottawattamie		10		2		1		2				2											13					30	
Poweshiek		2				1		2				1				1				1			3					11	
Ringgold		4		2		2		1															1					10	
Sac		8		10		3		1			1												2					25	
Scott		15		4	1	14		3		1	1	3				4				7			21	9			83		
Shelby		3		2																			9					14	
Sioux		19		14		9		1												1			16					60	
Story		12		4	22	5		2				5				1	1		1				16	2				71	
Tama		8		1		2										2							8					21	
Taylor			1			1																	2					4	
Union		4		1		1						1											8	1				16	
Van Buren	1	2				1		1													1							6	
Wapello	1	7		5		1						2			1	1							5					23	
Warren		9		4		5		2				1		1		2				1			16					41	
Washington		3		1				1				1				1				4			6					17	
Wayne						1		2															2					5	
Webster		16		4		9						1				4							19					53	
Winnebago		2				3																	2					7	
Winneshiek		7		1	2	1		1				2				5							1					20	
Woodbury		15	1	21	4	4		2				9					2						22					80	
Worth		1				1																						2	
Wright		15	1			1	2																4					23	
Grand Total	12	719	11	296	135	245	1	111	1	2	5	118	2	21	5	149	16	1	20	82	6	11	1	702	46	1	1	1	2721



# Case Counts for July 1, 2017 - June 30, 2018

## Counties A-E

### Confirmed, Probable, and Suspect Cases

	Anaplasmosis/Ehrlichiosis	Campylobacteriosis	Chikungunya	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Giardiasis	Haemophilus influenzae type b	Hansen	Hemolytic uremic syndrome	Hepatitis A	Hepatitis B (acute and chronic)	Legionellosis	Listeria	Lyme	Malaria	Meningococcal invasive disease	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Tularemia	West Nile virus	Grand Total
Adair		6			3		2													2			4				17
Adams		1					1																				2
Allamakee	4	20			14	1	4	1								8							14			1	67
Appanoose		9			4		3						1			1					1	1	7				27
Audubon		2					1	2															3				8
Benton	1	12			11	4	10	2					1	2		7			6	1			13	2			72
Black Hawk		10	1		4	5	4	6					11	3		7	1	1	6	14			29	5			107
Boone		16			7	1	6	2	1		1					1							16				51
Bremer		3				2	1						2			2			1	2	1		9	1			24
Buchanan		9		2	8	5	6	6	1							2			2				8				49
Buena Vista		19		2	8		2	2			1		4			1							8	9		1	57
Butler		1				1		1															7				10
Calhoun		14				2	9	2					1						1			1	7	1			38
Carroll		9			9		7													1			11				37
Cass		3			3		1	1					2			1						1	3				15
Cedar		5			3		5	1					1			3							6	1			25
Cerro Gordo	1	20		3	5	3	4	1					2		1	2				20			14				76
Cherokee	1	1			1		3	1							1	1							4				13
Chickasaw		3		1	1									1		1							5				12
Clarke	1	18			7		4	1												1			5	2			39
Clay		6			2			2					1										6				17
Clayton	1	14		1	18	1	7	1			1		1			15			1	5			6				72
Clinton		20		1	7	3	1						5	3					2	1			17				60
Crawford		14			5		5	1				1	5				2						2	2			37
Dallas	2	36		1	27	7	13	6					4			3			1	7		1	30	8			146
Davis		2			1							1											2				6
Decatur		1			1		1	2								1								1	1		8
Delaware		25			16		7	4								1			1	1			13				68
Des Moines	1	13			11		7	1				2		2									16	3			56
Dickinson		7			4		1						1			1							2				16
Dubuque	2	49		3	32	1	23	14		1	1		4	4		36	1		2	3		1	32	5			214
Emmet	1	1			2		1	1						1								1	3				11

# Case Counts for July 1, 2017 - June 30, 2018

## Counties F-L

### Confirmed, Probable, and Suspect Cases

	Anaplasmosis/Ehrlichiosis	Campylobacteriosis	CRE	Cryptosporidiosis	Cyclosporiasis	E. coli (STEC)	Giardiasis	Hepatitis A	Hepatitis B (acute and chronic)	Hepatitis D	Lacrosse	Legionellosis	Listeria	Lyme	Malaria	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Tetanus	West Nile virus	Grand Total
Fayette		7		2	2	5	2		2					4			17			9			1	51
Floyd		10			4	1	1							2						6				24
Franklin		5	1			2	1									1				5	2			17
Fremont		2		1		1													1		1			6
Greene		14				5	1													6				26
Grundy		2												1		1				7				11
Guthrie		9		3		2	1		1							1	2			5	1			25
Hamilton		6		4		2			1					1			1			2	1			18
Hancock		4	1	5			1													5				16
Hardin	1	9			1	3	1							1						3				19
Harrison	1	2													1				1	3				8
Henry		2		2			1							1						7				13
Howard		10		1		1			1											4		1		18
Humboldt		12		1	1	3	1									1				2				21
Ida		6		2																1				9
Iowa	1	7		5		5	1							1				1		2	1			24
Jackson		18	1	6		8	5		1					5		2	3			11				60
Jasper		21	2	9	2	7	6		1					2	1					16				67
Jefferson	1	7		2	1		3		2					2	2		3			3				26
Johnson	2	46	1	15	8	34	18		18			2	2	48	4	3	17			38	2			258
Jones		15	3	20		6	5		1					3				1		7				61
Keokuk		7		5		2						1		1			1	1	1	3				22
Kossuth		7	1	1	1	2	2		1											4				19
Lee		5	15	4		2	1					1		1					1	8	3			41
Linn		71	6	36	15	29	22	1	21	1		2	1	47	2	4	14		2	121	5		1	401
Louisa		3				1	1		1									1		3				10
Lucas		15		8		4	2				1							1		3				34
Lyon		11		9		7	1		1											9			2	40

# Case Counts for July 1, 2017 - June 30, 2018

## Counties (M-W)

### Confirmed, Probable, and Suspect Cases

	Anaplasmosis/Ehrlichiosis		Babesiosis	Campylobacteriosis	Chikungunya	CRE	Cryptosporidiosis	Cyclosporiasis	Dengue	E. coli (STEC)	Giardiasis	Haemophilus influenzae type b	Hemolytic uremic syndrome	Hepatitis A	Hepatitis B (acute and chronic)	Hepatitis D	Hepatitis E	Lacrosse	Legionellosis	Listeria	Lyme	Malaria	Meningococcal invasive disease	Mumps	Pertussis	Q Fever (acute and chronic)	Rocky Mountain spotted fever	Salmonellosis	Shigellosis	Tetanus	Tularemia	West Nile virus	Grand Total
Madison				11			9			11	4																	9			1		45
Mahaska				7			1			6	2																	10					26
Marion	1			14			4	4		2	1										3		1		1			8					39
Marshall				8		2	2	3		5	4				8	1				2		3						13					51
Mills				7			4			1	2									1								2	2				19
Mitchell				16		1	10	3		6	3																	6					45
Monona				1			1	1			1				1													1					6
Monroe	2			1			2			4	1										1				2			3					16
Montgomery				4			1				1																	5					11
Muscatine	1			19		3	1		1	12	1				4		1		2		5	1		1	1			15	24				92
O'Brien				14		1	4				1														1		2	7					30
Osceola				9			4			3																		1	1			1	19
Page				5			1				1																	5					12
Palo Alto				11			1			1	1										1							1					16
Plymouth				8		2	18	3		7	4																	9					51
Pocahontas				11			2	1		6			1		1													6					28
Polk				253		8	71	31	1	64	53			3	85	3			6		20	8		6	24	1	4	149	28			1	819
Pottawattamie				18			6		1	4	5				5				2		1				4		1	22	1			1	71
Poweshiek				6			1			4	2				1						1				1		1	6				1	24
Ringgold				6			4			3	1										1							1					16
Sac				14			12			4	4			1														4					39
Scott	1			40		4	10	1		23	13		1	1	8				2		12		1		38			32	48				235
Shelby				6			7			3			1													1		16					34
Sioux				32			33	2		10	4				1						1				1	1		27	1				113
Story	2			35		1	14	23		9	10				9				1		4	3		2				27	5			1	146
Tama				10			4			2											3			1				15	3				38
Taylor						1				1																		2					4
Union				12			3			5	1				1													9	1				32
Van Buren	1			8			2			2	1															1		1					16
Wapello	1			17			7			5					6	1				1	1	1			1			8					49
Warren			1	21		2	11			9	8				3				1		2			1	3		1	24	1				88
Washington				10			3			1	2				1						1				7			9					34
Wayne										1	2																	4					7
Webster				20			4		1	11	3				1						6			1				25					72
Winnebago	2			3			2			3											1							3					14
Winneshiek				15		1	9	2		1	1				2		1				13			1				5					51
Woodbury	1			24		4	34	4	1	7	9				18						1	2			3		1	30	1			1	141
Worth				3		1	4	1		2																							11
Wright				21		2	1	1		3																		5	4				37
Grand Total	33	1	1422	1	78	662	151	5	512	284	2	7	10	253	6	2	1	39	7	294	29	3	49	203	11	24	1120	174	1	2	12	5398	

# Campylobacter

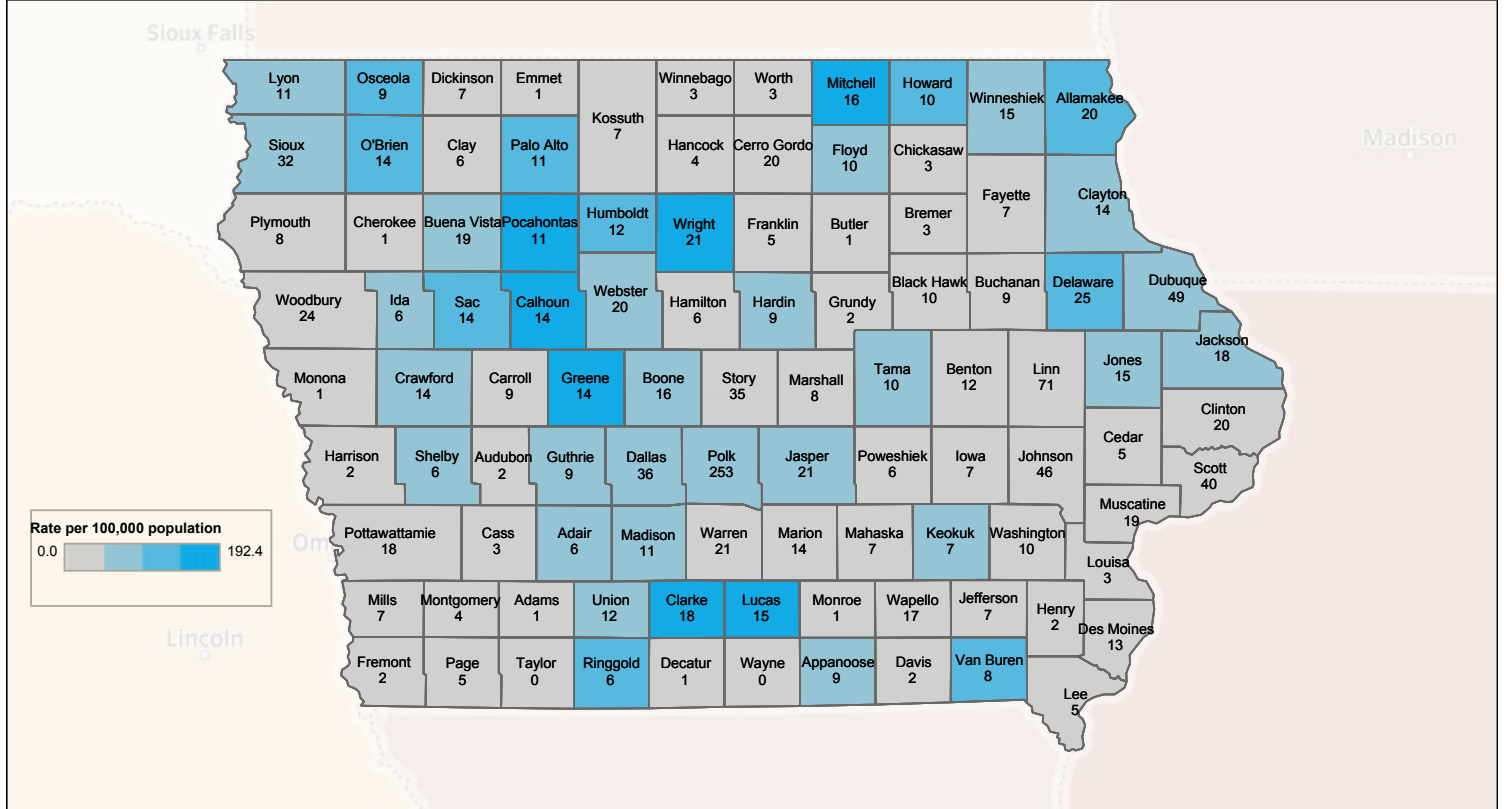
Number of cases in the 2nd Qtr 2018

448

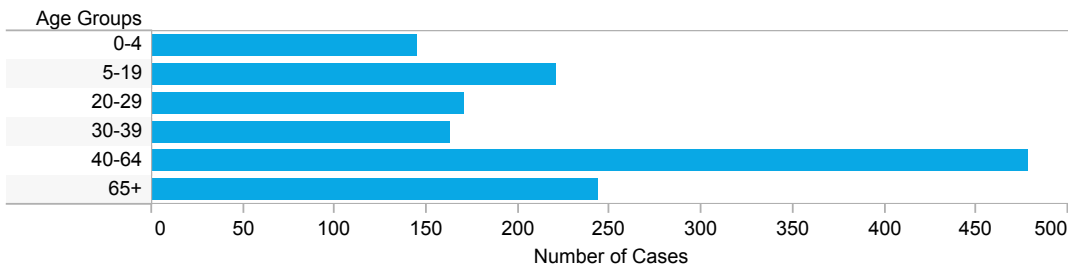
Number of cases in the past 12 months

1,422

Reported campylobacteriosis cases and incidence rates per 100,000 population by county of residence for the past 12 months



Campylobacteriosis cases by age in the past 12 months. A third of all cases occurred in the 40-64 year old age group.



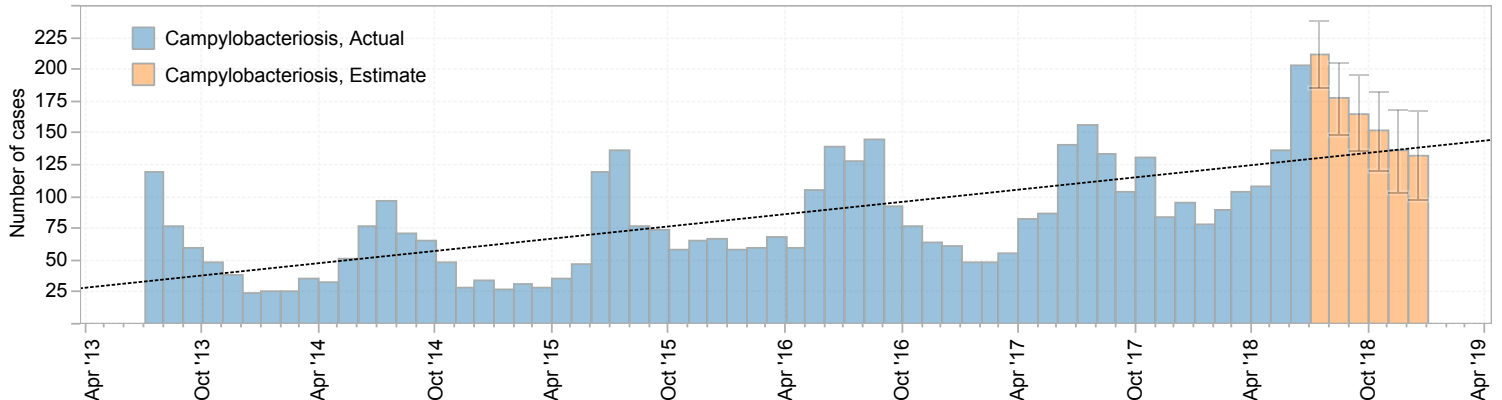
Hospitalizations in the past 12 months

139 (10%)

Campylobacteriosis cases by gender in the past 12 months

Female	680
Male	742

Reported campylobacteriosis cases by date of onset or first lab report and 6 month forecast





# E. coli (STEC)

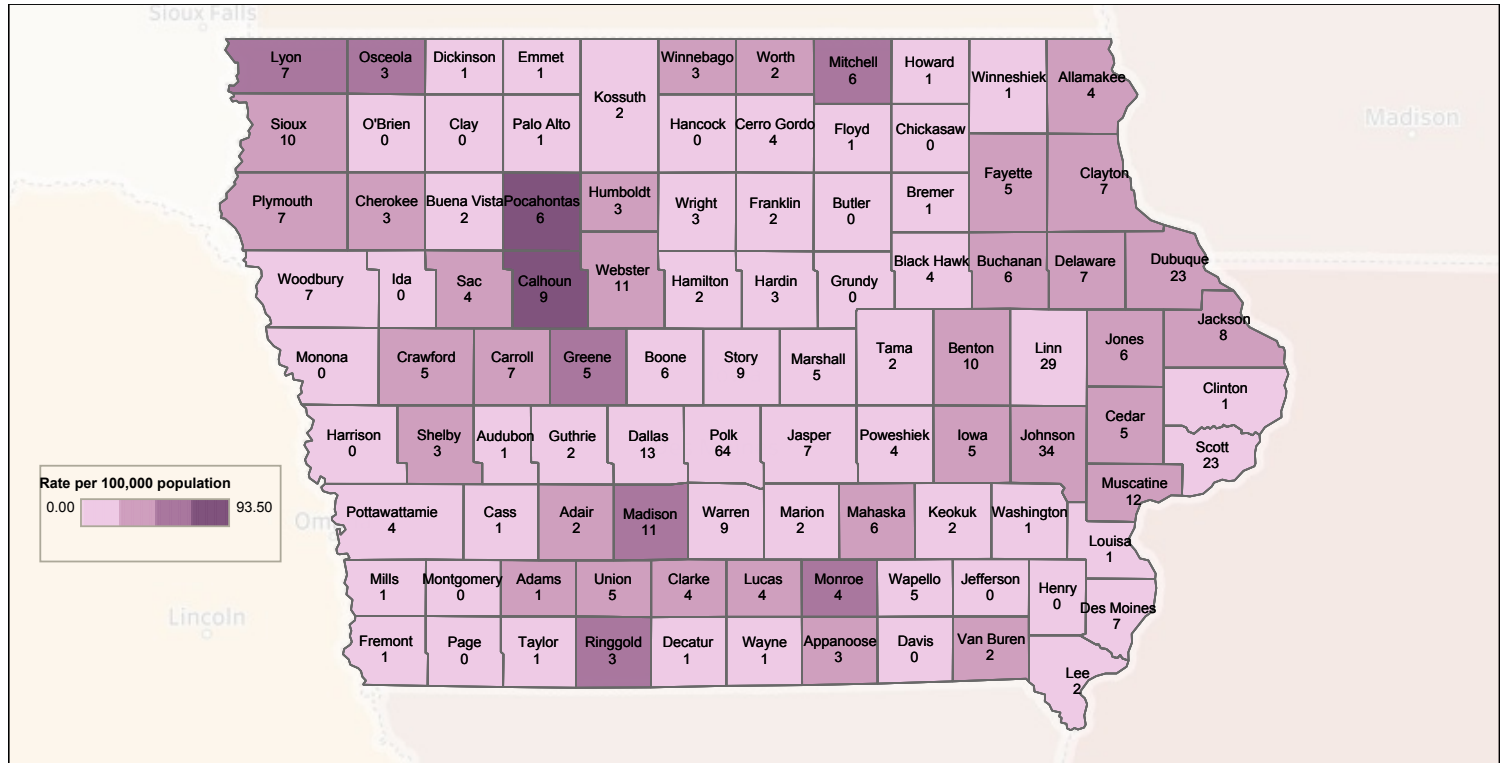
Number of cases in the 2nd Qtr 2018

174

Number of cases in the past 12 months

512

Reported E. coli (STEC) cases and incidence rates per 100,000 population by county of residence for the past 12 months



## Giardia

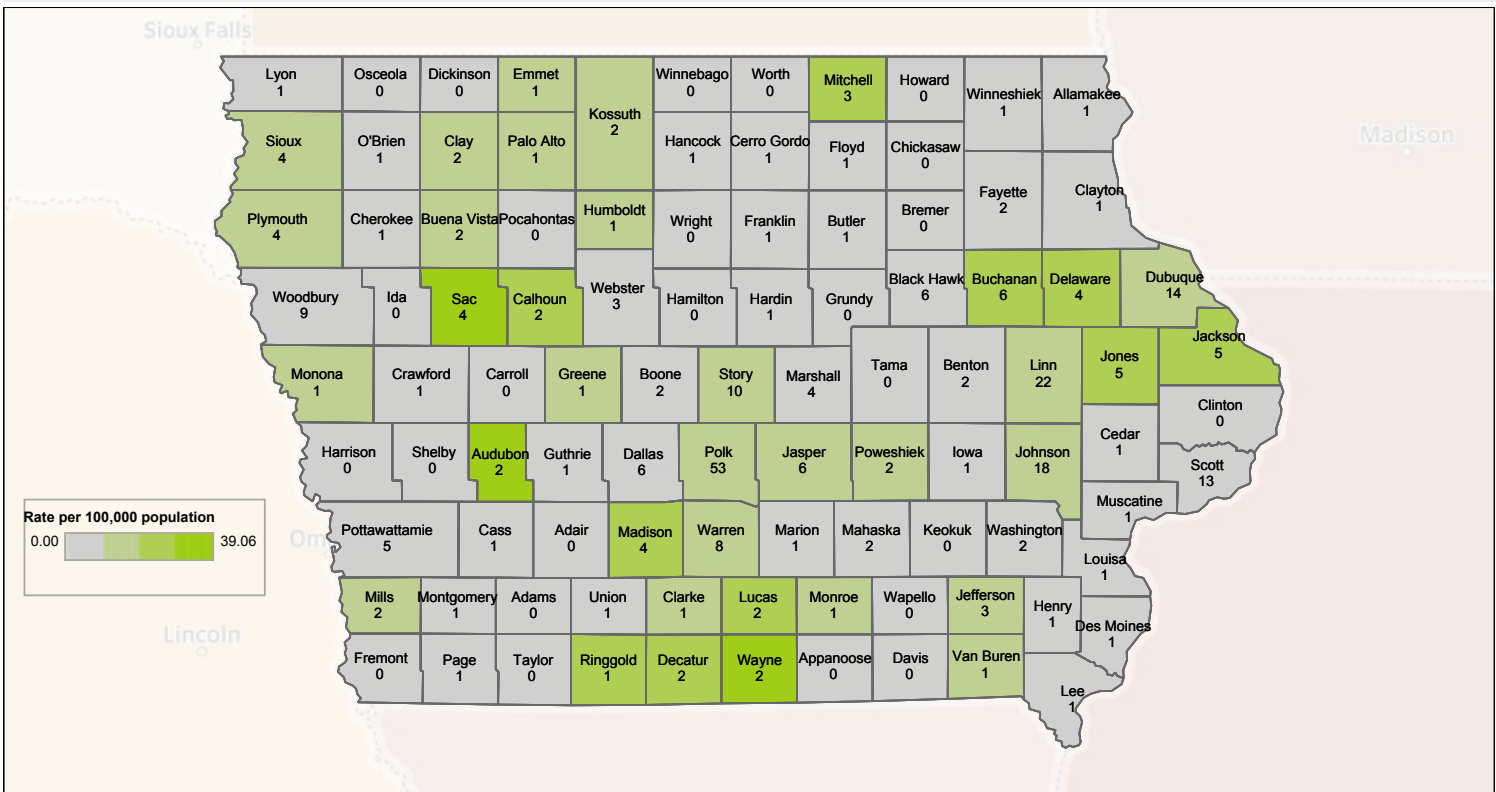
Number of cases in the 2nd Qtr 2018

63

Number of cases in the past 12 months

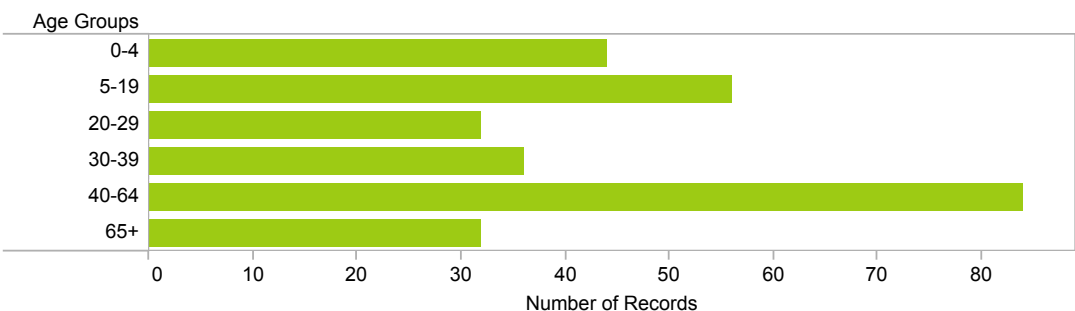
284

Reported giardiasis cases and incidence rates per 100,000 population by county of residence for the past 12 months



Giardiasis cases by age past 12 months. Nearly a third of all cases occurred in the 40-64 age group.

Hospitalizations in the past 12 months

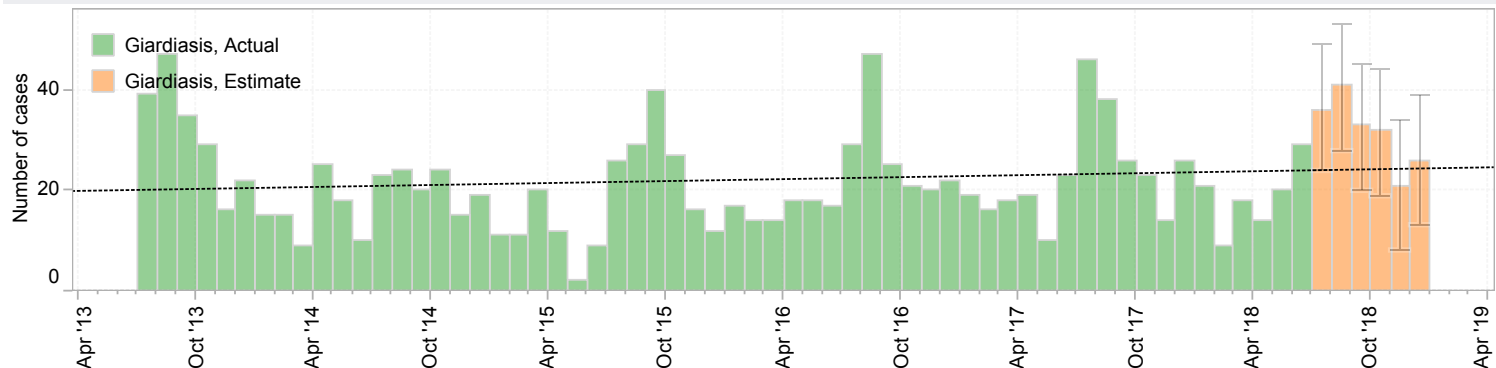


28 (10%)

Giardiasis cases by gender past 12 months

Female	124
Male	160

Reported giardiasis cases by date of onset or first lab result and 6 month forecast



# Lyme disease

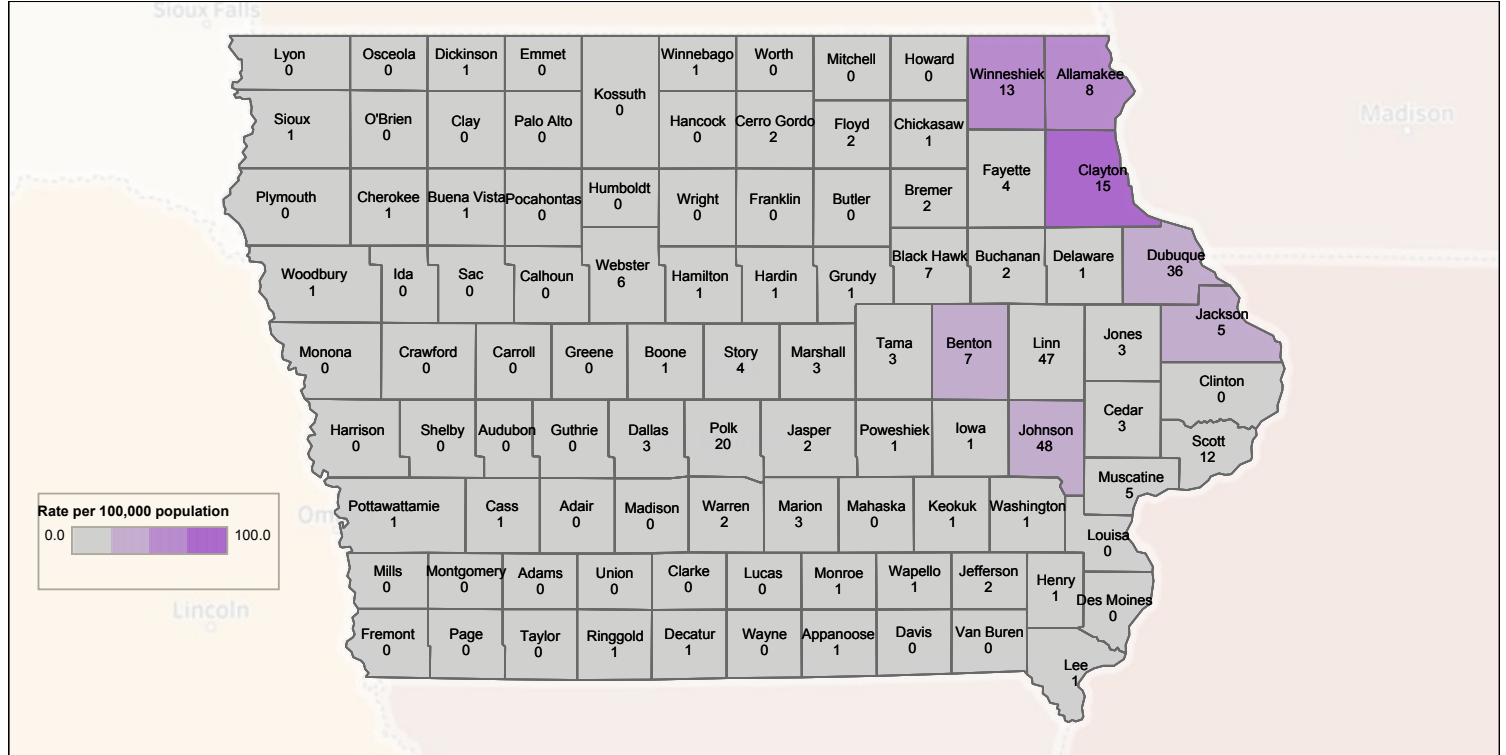
Number of cases in the 2nd Qtr 2018

132

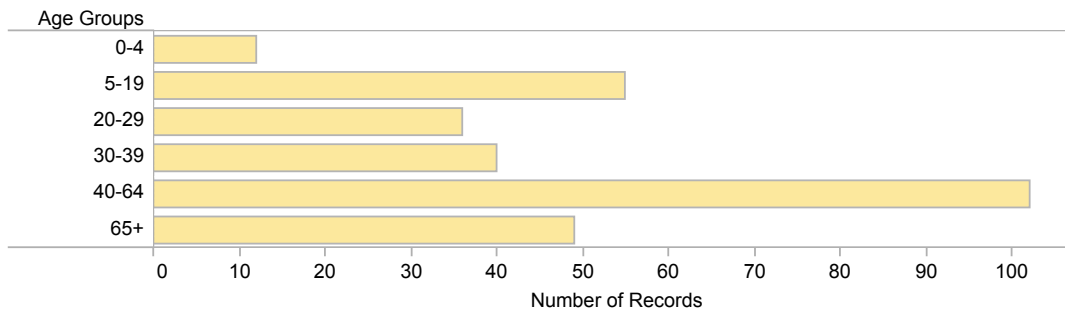
Number of cases in the past 12 months

294

Reported lyme disease cases and incidence rates per 100,000 population by county of residence for the past 12 months



Lyme disease cases by age past 12 months. Over 55 percent of all cases were in the 5-19 and 40-64 year old age groups.



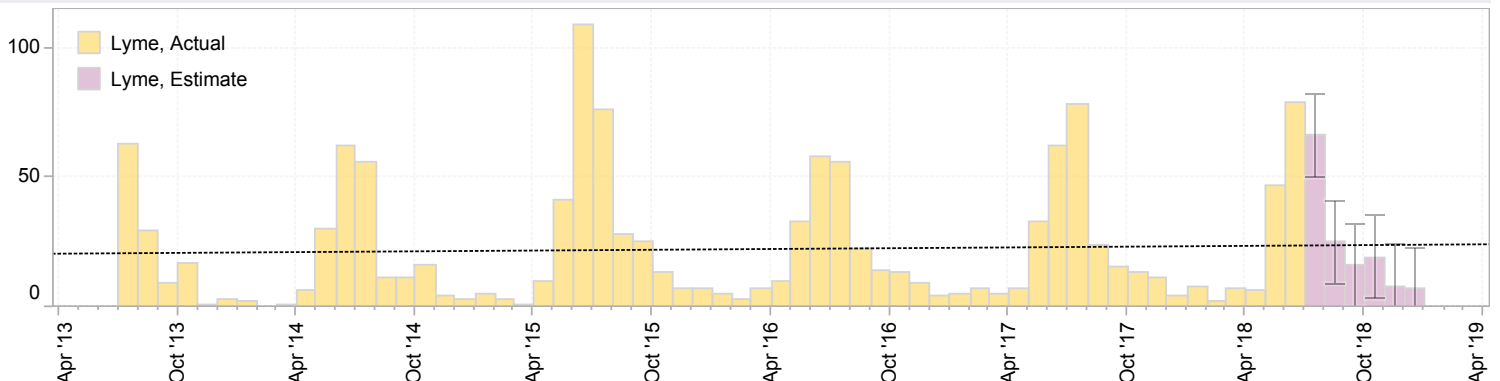
Hospitalizations in the past 12 months

29 (10%)

Lyme disease cases by gender past 12 months

Female	118
Male	176

Reported lyme disease cases by date of onset or first lab result and 6 month forecast





# Pertussis

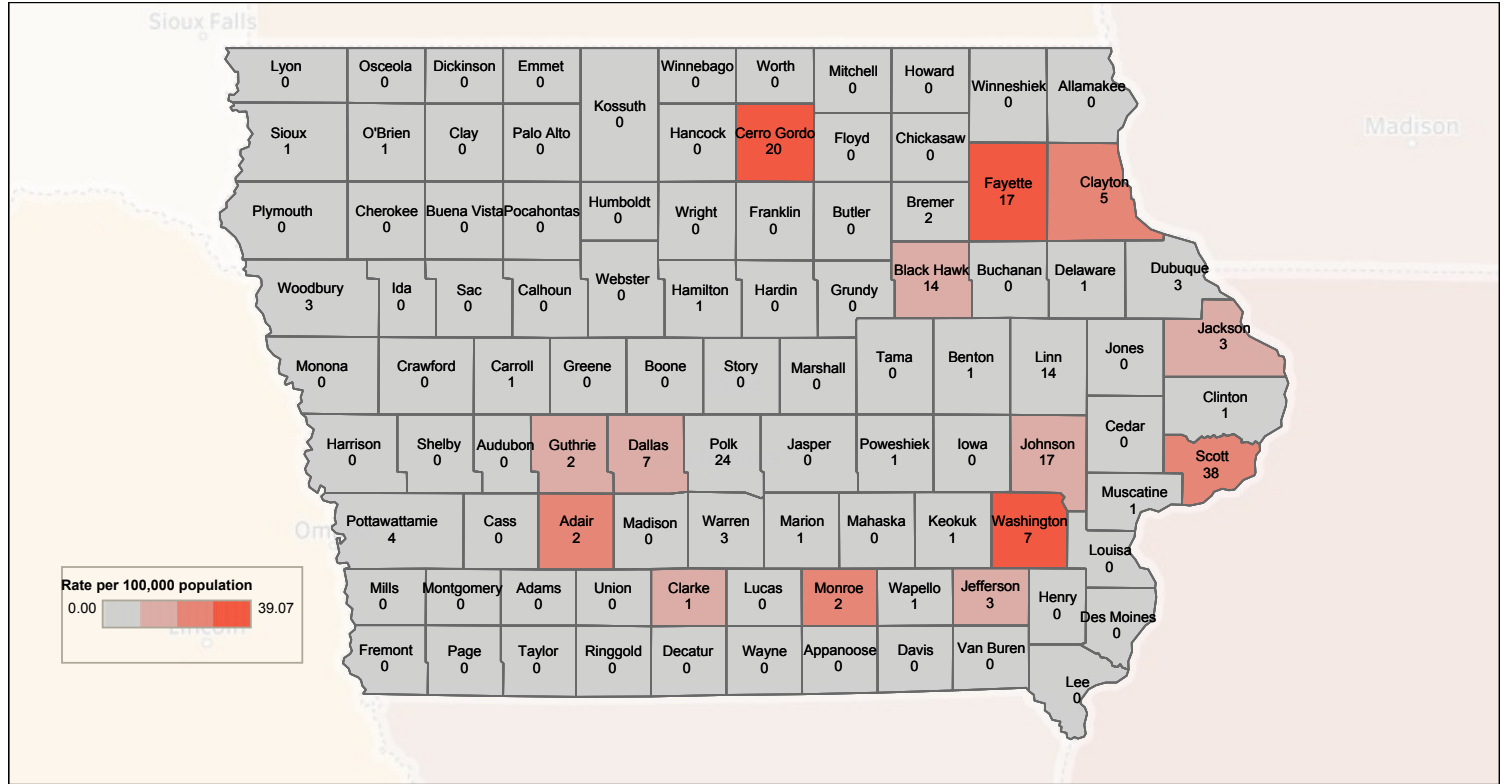
Number of cases in the 2nd Qtr 2018

44

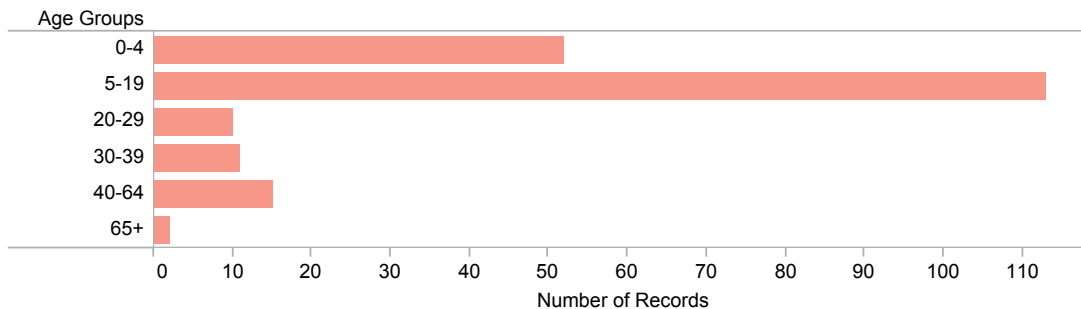
Number of cases in the past 12 months

203

Reported pertussis cases and incidence rates per 100,000 population by county of residence for the past 12 months



Pertussis cases by age past 12 months. Most cases occur in the 0-19 year age group.



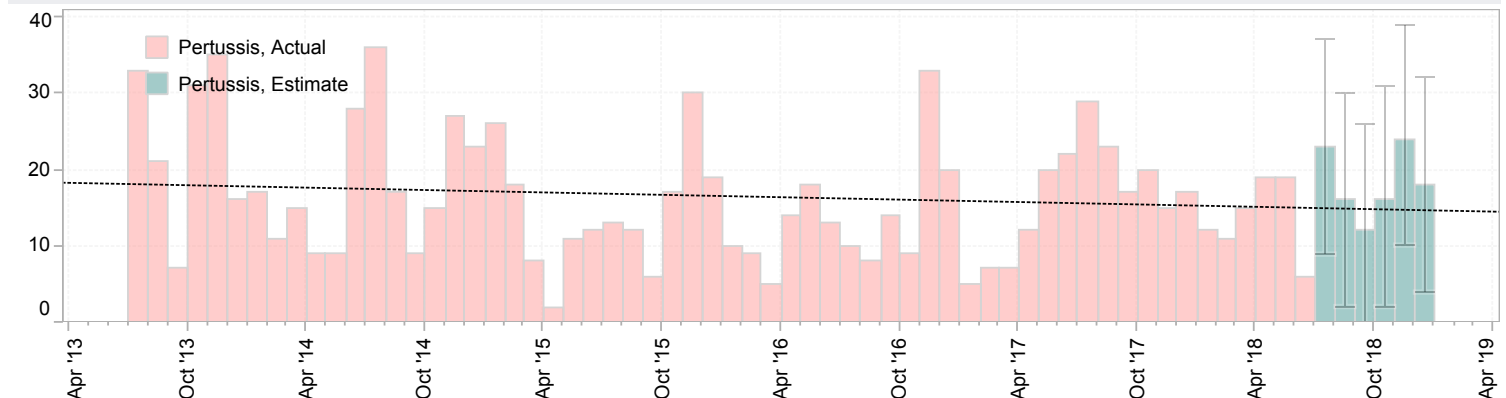
Hospitalizations in the past 12 months

4 (2%)

Pertussis cases by gender past 12 months

Female	113
Male	90

Reported pertussis cases by date of onset or first lab result and 6 month forecast



# Salmonella

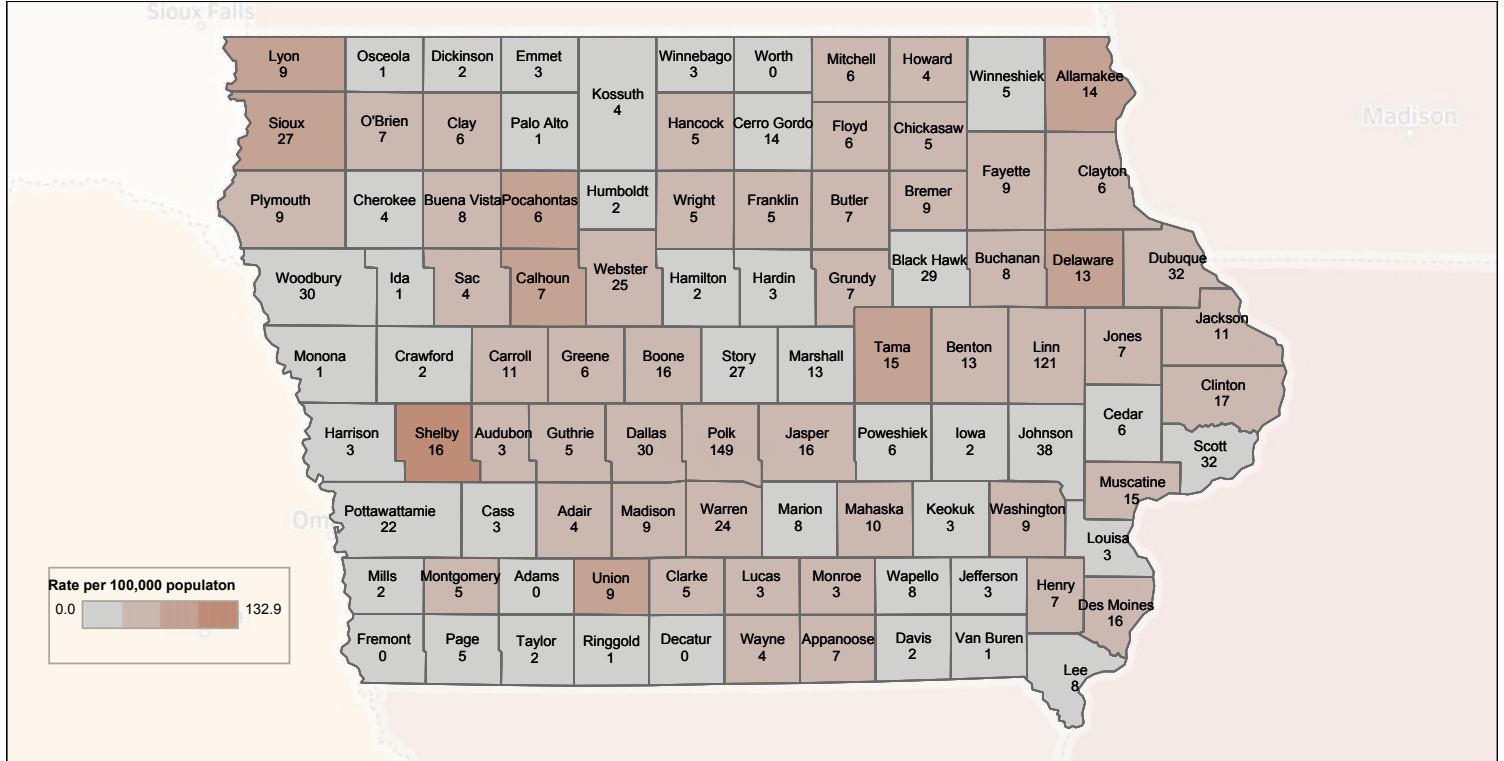
Number of cases in the 2nd Qtr 2018

260

Number of cases in the past 12 months

1,120

Reported salmonellosis cases and incidence rates per 100,000 population by county of residence for the past 12 months



# Shigella

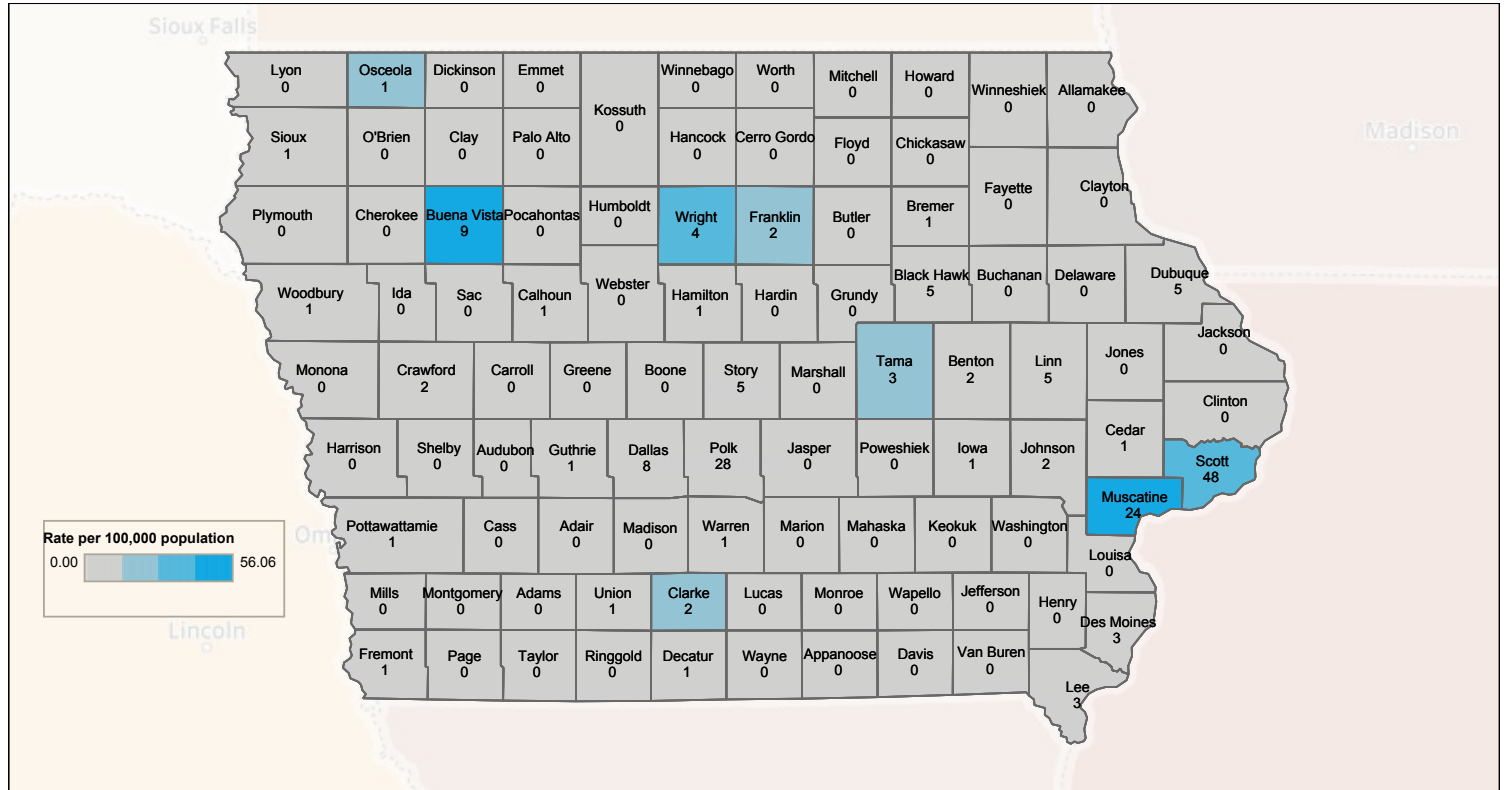
Number of cases in the 2nd Qtr 2018

22

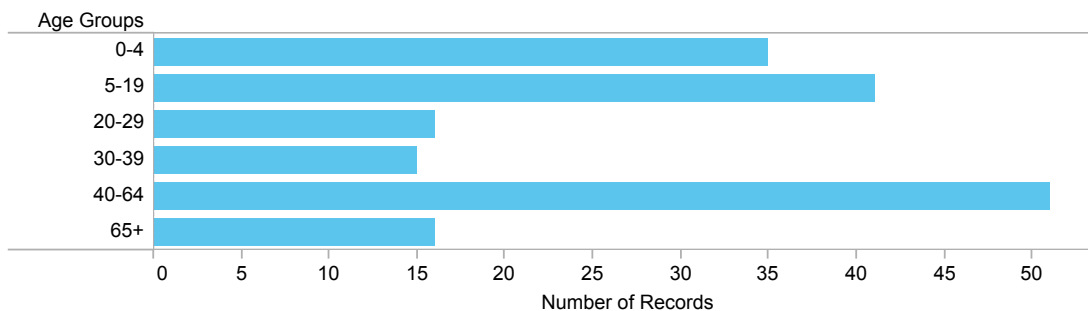
Number of cases in the past 12 months

174

Reported shigellosis cases and incidence rates per 100,000 population by county of residence for the past 12 months



Shigellosis cases by age past 12 months. Over 45 percent of all cases occurred in the 0-19 year age groups. An additional 24% of cases were in the 40-64 year age group.



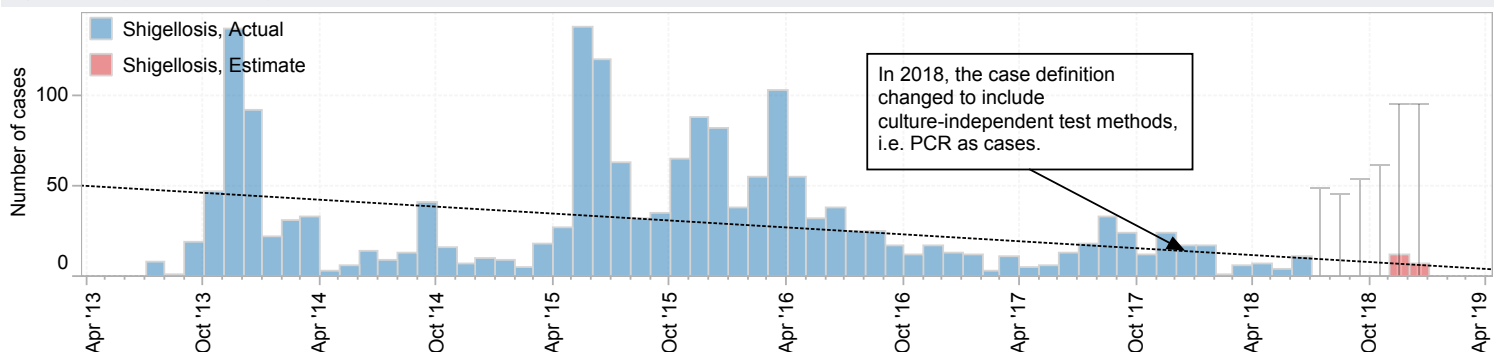
Hospitalizations in the past 12 months

28 (16%)

Shigellosis cases by gender past 12 months

Female	106
Male	68

Reported shigellosis cases by date of onset or first lab result and 6 month forecast



# Select low-prevalence disease summaries

## Legionella

Number of cases in the 2nd Qtr 2018

13

Number of cases in the past 12 months

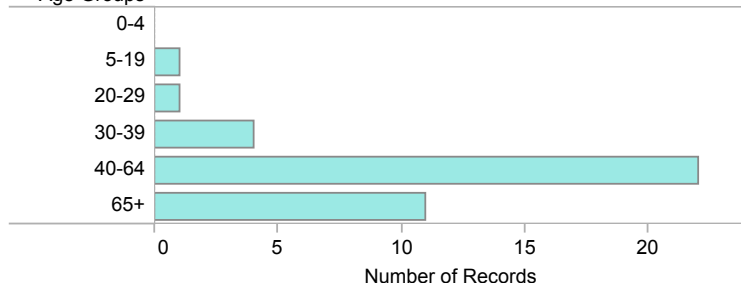
39

Legionellosis cases by age past 12 months. No cases occurred in persons 0-19 years of age. Forty year olds and older accounted for 92% of cases.

Hospitalizations in the past 12 months

29

Age Groups



Legionellosis cases by gender past 12 months

Legionellosis	Female	13
	Male	26

## Q Fever (acute and chronic)

Number of cases in the 2nd Qtr 2018

4

Number of cases in the past 12 months

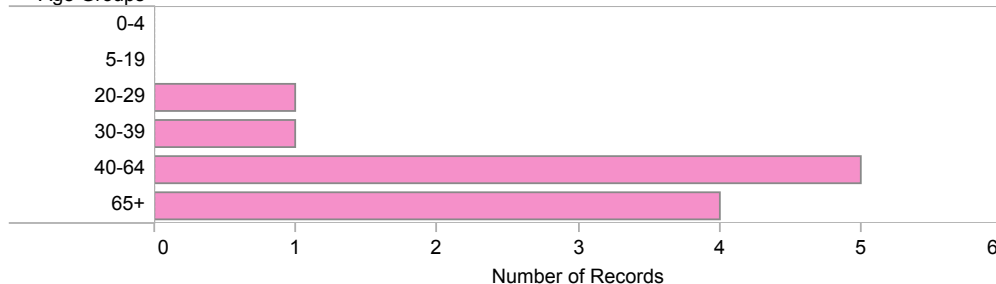
11

Q fever cases (acute and chronic) by age in the past 12 months. No cases occurred in persons 0-19 years old.

Hospitalizations in the past 12 months

8

Age Groups



Q fever cases by gender past 12 months

Q Fever (acute and chronic)	Female	2
	Male	9

# IOWA DEPARTMENT OF PUBLIC HEALTH

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